CLAIMS:

1. An electronic button tag for tagging and identifying cattle comprising a transponder, programmable or not, enclosed in a shell, said shell comprising an open-ended or blind axial transverse passage (4) for a fixing means to the ear of the animal, characterised in that:

– the shell is made from two half-shells namely a lower half-shell (1) and an upper half-shell (2), which are assembled together at a median plane which is disposed transversely to the axial passage opening (4) for the fixing means,

– the transponder (3) is fixed in place without compression between the two half-shells using a glue (16),

– the two half-shells are assembled by means of a laser weld.

2. An electronic button tag according to claim 1 characterised in that the two half-shells (1-2) are provided with complementary internal and external walls, contributing to their assembly, to stiffening the shell and to fixing the internal transponder in place.

3. An electronic button tag according to claim 1 or claim 2 characterised in that the upper half-shell (2) comprises a sleeve with a central opening around the median axis, wherein a cylindrical wall (5) projects outwards on a planar wall (6) and is extended by an inner cylindrical wall (7) below said planar wall to connect with a corresponding cylindrical wall (12) on the lower half-shell.

(1), the planar wall of the upper half-shell being connected on its periphery to a vertical cylindrical wall (9) connecting it to the lower half-shell (1).

4. An electronic button tag according to claim 3 characterised in that the lower half-shell (1) comprises a cylindrical inner wall (12) around its median axis corresponding to that (5) of the sleeve of the upper half-shell and providing the passage for the fixing means of the button tag to the animal's ear,

– that it is provided with an internal projection (15),

– that it is provided with a projecting peripheral rim (13) cooperating with the orthogonal peripheral wall (9) of the upper half-shell.

5. An electronic button tag according to claim 4, characterised in that an internal projection (15) is placed between the internal cylindrical wall (12) and the peripheral rim (13).

6. An electronic button tag according to claim 4, characterised in that the internal projection (15) is of a lesser height than the clear height within in the button tag.

7. An electronic button tag according to any one of claims 3 to 6, characterised in that the cylindrical wall (12) of the lower half-shell has a conical form with an upper shoulder (17) enabling the tip of the punch of a male panel tag to be locked in.

8. An electronic button tag according to any one of the preceding claims characterised in that the sleeve is blind on the upper half-shell.

9. An electronic button tag according to any one of the claims 3 to 8, characterised in that the ends of the vertical walls (7/9) of the upper half-shell (2) are provided with flux cores (10).

10. An electronic button tag according to claim 1, characterised in that the processor (3") of the transponder (3) is folded down onto the coil (3'), the unit being fixed into position by the glue (16).

11. An electronic button tag according to claim 9, characterised in that the flux cores are welded by use of a laser.

12. An electronic button tag according to any one of claims 3 to 11, characterised in that the lower half-shell (1) is provided with a peripheral rim (13) which on assembly fits into the external shoulder (11) of the vertical wall (9) of the upper half-shell (2).